

**Kang, Ji Yeon**

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**From:** Miller, Robert  
**Sent:** Wednesday, April 29, 2020 9:37 AM  
**To:** Kang, Ji Yeon  
**Subject:** FW: CWHC Diagnostic Report  
**Attachments:** .200092.pdf

Hi Joyce,

Here's another report from New York. More to come.

Bob

-----Original Message-----

From: Wildlife Submissions <no.reply@cwhe-rcsf.ca>  
Sent: Tuesday, April 28, 2020 4:58 PM  
To: Miller, Robert <Miller.Robert@epa.gov>  
Subject: CWHC Diagnostic Report

Kevin Hynes has sent you the attached Diagnostic Event report.

View Report Online:

<https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fnwdc.whipdb.org%2F%23%2Fgenerated-report%2F8142bad91a7e1ce0b935b24f0f96f3da&data=02%7C01%7CKang.Joyce%40epa.gov%7C3e8ccfe8acae40e86f7d08d7ec426a13%7C88b378b367484867acf976aacbeca6a7%7C0%7C0%7C637237642296193527&sdata=jQSGEqZUQt%2BQu6x4Q39gAwqozfc%2F2wysGXmNUVq1lq4%3D&reserved=0>

Revised report (to correct typo) eastern gray squirrel NY200092.

**WILDLIFE DIAGNOSTIC REPORT**

Department of  
Environmental  
Conservation

**Wildlife Health Unit**

New York State Department of Environmental Conservation  
108 Game Farm Road, Delmar NY 12054  
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Date Report Generated: 2020-04-28

**Necropsy number: B920007, 053954-20**

**Event Information**

**Event Code:** .200092  
**Cross Ref #:** B920007, 053954-20  
**Species:** Eastern Gray Squirrel (*Sciurus carolinensis*)  
**Age:** Adult  
**Sex:** Male  
**Weight:** 536 g  
**Date Received:** 2020-03-12

**Location:**

\*Personal privacy information\*

Buffalo  
New York

\*Personal privacy information\*

**Latitude:**  
**Longitude:**

**Finder/Submitter Information**

Submitter:  
Connie Adams  
Phone: (716) 851-7010  
Email Address: cmadams@gw.dec.state.ny.us

Finder:

\*Personal privacy information\*

**Information Provided For Event**

Date Found: 2020-03-07 Date Shipped: 2020-03-12 History of finding dead squirrels and rabbits in back yard, believes they are dying from rat poison.

**Diagnosis and Interpretation****Final Diagnosis**

Toxin: Anticoagulant; Difethialone

**Interpretation**

The subcutaneous hemorrhage around the right hindleg and thorax without any associated signs of significant trauma (fractures or lacerations) and the high level of difethialone detected in the liver, is consistent with poisoning by this anticoagulant rodenticide.

**Laboratory Results****Necropsy**

Good body condition, ample visceral fat. Subcutaneous hemorrhage over right hindleg and right lateral ribs; no obvious gross signs of significant associated trauma (fractures or lacerations). Thorax contains blood. Lungs are greatly congested with blood. Other organs are hyperemic and red, but otherwise grossly unremarkable. Stomach empty except mucus.

**Toxicology**

Submitted: Liver  
Requested: Anticoagulant rodenticide screen

**Anticoagulant Rodenticide Screen:**

Liver- Difethialone, 2960 ppb

Comments: This result confirms exposure to an anticoagulant rodenticide. The difethialone concentration is relatively high and supports the diagnosis of anticoagulant rodenticide toxicosis. This screen includes brodifacoum, bromadiolone, chlorophacinone, difethialone, diphacinone, and warfarin at a limit of quantitation of 30 ng/g (ppb). This method was designed for canines and has not yet been fully validated in squirrels.

**Pathologists**

Kevin Hynes null

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